

December 2005 Update

UP&L/American Barrel Superfund Site Salt Lake City, Utah (5-Year Review Date: 9/26/01)

Highlights Since the 2001 5-Year Review

- **Quarterly O&M monitoring report continues and is current**

Brief Site History: The four acre Utah Power & Light/American Barrel Superfund Site was used as a barrel storage yard. Empty barrels on the site at one time contained residues of various volatile organic compounds (VOCs), degreasers and solvents.

Subsurface soils on the site contain polycyclic aromatic hydrocarbons (PAHs), VOCs and cyanide from wood-treatment and coal-gasification operations. Surface soils also contain lead from metalliferous slag fill brought to the site, pesticide residues from the barrels, and PAH from coal debris. Groundwater contains VOCs, including benzene, styrene, toluene, xylene and cyanide. Potential health risks may exist for anyone exposed to contaminated soil and/or ground water over a long period of time. The site was proposed for the Superfund National Priorities List in May 1989 and finalized on the list in October 1989.

Cleanup Activities Completed: Construction completion for the site was achieved in 1996. The following cleanup activities have been completed by the Potentially Responsible Party (Utah Power & Light):

- \$ Removal of 50,000 empty barrels to a federally approved facility in 1988.
- \$ Excavation and removal of 20,000 tons of soil offsite for processing into asphalt.
- \$ Removal of 1,388 tons of miscellaneous nonhazardous debris to a commercial landfill.
- \$ Construction of a soil vapor and groundwater extraction system in 1996.

Current Status: Current Operation and Maintenance activities include operation of the soil vapor and groundwater extraction system and groundwater monitoring.

Summary of Protectiveness: EPA Region 8 conducted the first five-year review of the remedial actions implemented at the site. The review was conducted from June through September 2001. The review report was signed on September 26, 2001. The results of the five-year review indicate that the remedy is expected to be protective of human health and the environment, and immediate threats have been addressed. Overall, the soil vapor extraction and depression well system is operating and functioning as designed. Stringent institutional controls are in place to restrict use of the contaminated groundwater and the residents and businesses in the area are connected to the municipal water system. Present contaminant levels in groundwater are consistent with expectations at the time of the Record of Decision.

Issues Impacting Protectiveness: A few issues that do not immediately impact the protectiveness of the remedy were identified. The following table summarizes the status of the follow-up actions addressing these issues.

**UP&L /American Barrel Superfund Site
Five-Year Review Update Table
(Review Date: 9/26/01)**

Issues	Recommendations/ Follow-Up Actions	Follow-Up Actions (Status/Due Date)	Status of Follow-Up Actions 12/05	Responsible Party
1) Limited data interpretation in quarterly reports	PacifiCorp will need to include historical well sampling data and more data interpretation in quarterly reports beginning with the Fourth Quarter 2001	Starting with the Fourth Quarter 2001 Report, appropriate graphs and interpretations have been included in quarterly reports.	Starting with the Fourth Quarter 2001 Report, appropriate graphs and interpretations have been included in quarterly reports.	Potentially Responsible Party (PRP)
2) Total mass recalculation	PacifiCorp will need to include recalculations of total mass in quarterly reports beginning with the Fourth Quarter 2001 report	Since the Third Quarterly 2001 Report, the recalculations have been included in quarterly reports.	Since the Third Quarterly 2001 Report, the recalculations have been included in quarterly reports.	PRP
3) Need for biosparging report on pilot test findings	PacifiCorp will need to send the report on pilot test findings to EPA by end of September 2001	EPA received the report on September 27, 2001.	EPA received the report on September 27, 2001.	PRP
4) Reevaluation of Groundwater Monitoring Plan	PacifiCorp will need to reevaluate the groundwater monitoring plan by the end of October 2001 to ensure that an appropriate monitoring scheme is in place to identify and measure any possible effects from the Biosparging, if fully implemented	The monitoring plan was reviewed and found effective in identifying and measuring possible effects from Biosparging prior to October 31, 2001.	The monitoring plan was reviewed and found effective in identifying and measuring possible effects from Biosparging prior to October 31, 2001.	PRP and EPA